

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer	:			
Product line	: NEMA Premium Efficiency Three-Phase	Product code : 12845390		
Frame	: 182/4TC	Cooling method : IC411 - TEFC		
Insulation class	: F	Mounting : F-1		
Duty cycle	: Cont.(S1)	Rotation ¹ : Both (CW and CCW)		
Ambient temperature	: -20°C to +40°C	Starting method : Direct On Line		
Altitude	: 1000 m.a.s.l.	Approx. weight ³ : 42.9 kg		
Protection degree	: IP55	Moment of inertia (J) : 0.0169 kgm ²		
Design	: B			
Output [HP]		3		
Poles		4		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		3.05		
L. R. Amperes [A]		26.8		
LRC [A]		8.8x(Code K)		
No load current [A]		1.60		
Rated speed [RPM]		1765		
Slip [%]		1.94		
Rated torque [kgfm]		1.23		
Locked rotor torque [%]		220		
Breakdown torque [%]		300		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		32s (cold) 18s (hot)		
Noise level ²		56.0 dB(A)		
Efficiency (%)	25%	86.4		
	50%	87.5		
	75%	88.5		
	100%	89.5		
Power Factor	25%	0.36		
	50%	0.61		
	75%	0.74		
	100%	0.81		
Bearing type	: <u>Drive end</u> 6206 ZZ <u>Non drive end</u> 6205 ZZ	Foundation loads		
Sealing	: V'Ring Without Bearing Seal	Max. traction : 56 kgf		
Lubrication interval	: - -	Max. compression : 99 kgf		
Lubricant amount	: - -			
Lubricant type	: Mobil Polyrex EM			
Notes				
<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p>		<p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.</p>		
Rev.	Changes Summary	Performed	Checked	Date
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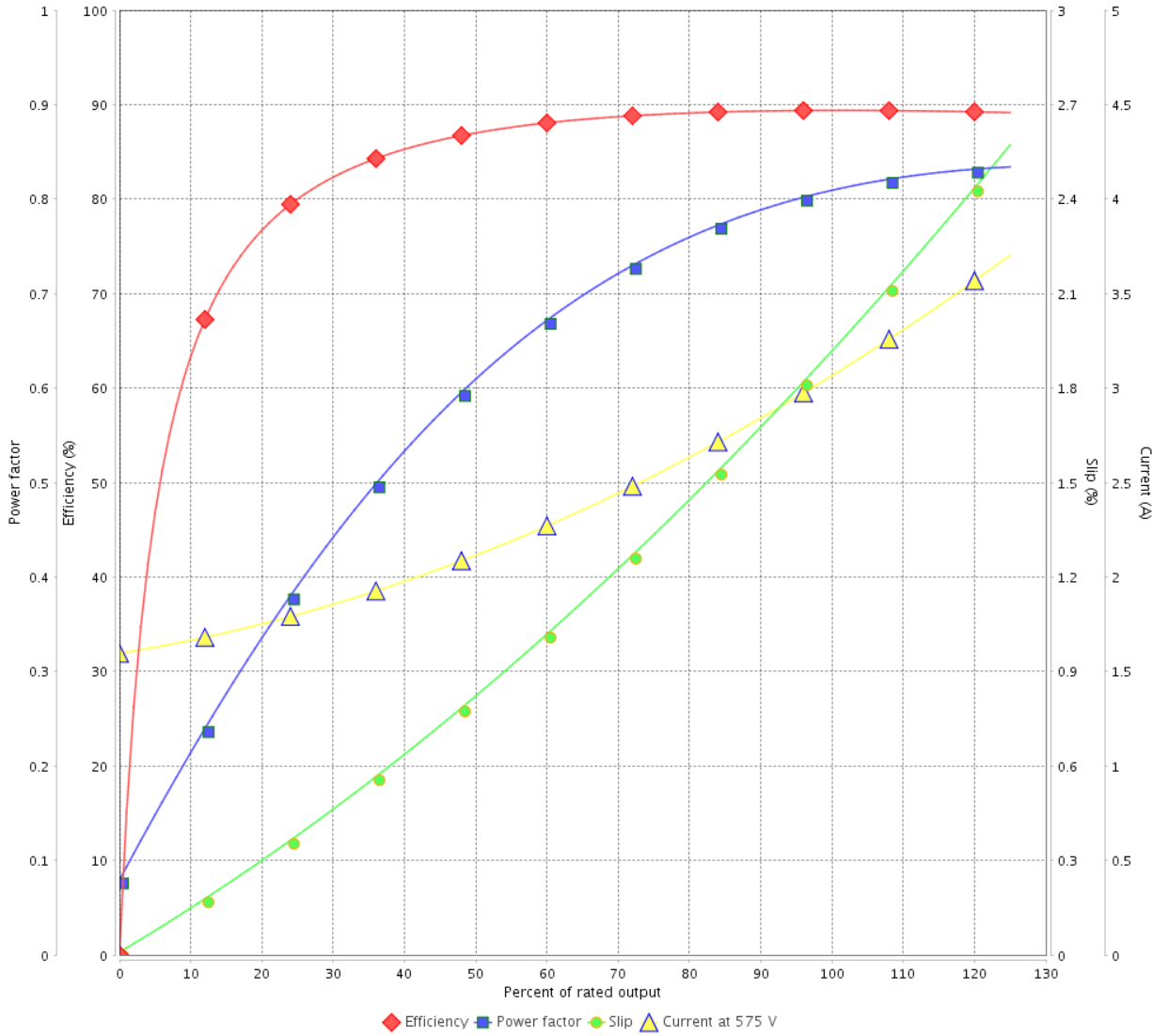
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase Product code : 12845390

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Performance : 575 V 60 Hz 4P

Rated current	: 3.05 A	Moment of inertia (J)	: 0.0169 kgm ²
LRC	: 8.8	Duty cycle	: Cont.(S1)
Rated torque	: 1.23 kgfm	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 1765 rpm	Design	: B

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